

S (PORTABLE (W) PERSONAL (W) SHOP?) AND SYMBOL (3N) PRODUCT

Your SELECT statement is:

S (PORTABLE (W) PERSONAL (W) SHOP?) AND SYMBOL (3N) PRODUCT

Items File

- 1 9: Business & Industry(R)_Jul/1994-2005/May 12
- 1 15: ABI/Inform(R)_1971-2005/May 12
- 1 16: Gale Group PROMT(R)_1990-2005/May 12
- 1 148: Gale Group Trade & Industry DB_1976-2005/May 13

Examined 50 files

- 1 275: Gale Group Computer DB(TM)_1983-2005/May 13

Examined 100 files

Examined 150 files

- 1 570: Gale Group MARS(R)_1984-2005/May 13

Examined 200 files

- 1 636: Gale Group Newsletter DB(TM)_1987-2005/May 13

Examined 250 files

Examined 300 files

Examined 350 files

7 files have one or more items; file list includes 369 files.

One or more terms were invalid in one file

T S2/3,KWIC/1-3

2/3,KWIC/1 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01572852 02-23841

Customers take control

Anonymous

Retail World v51n1 PP: 15 Jan 26-Feb 8, 1998

ISSN: 0034-6136 JRNL CODE: REW

...ABSTRACT: minded shoppers can skip the boredom of checkout lines in retail stores by using the Portable Personal Shopping system from Symbol , a product that lets the consumer, while shopping, scan items to check prices or purchase.

2/3,KWIC/2 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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04054003 Supplier Number: 45898211 (USE FORMAT 7 FOR FULLTEXT)

**ALL THE TECHNOLOGY FOR TOMORROW's SHOPPER IS HERE TODAY: WI
ICL**

Computergram International, n2782, pN/A

Oct 31, 1995

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1354

... in-store hardware or software, to integrate these into the total store system. One such product is the Symbol Technologies Inc LST 3803 Portable Personal Shopper , a terminal including a bar code scanner with which shoppers scan items and total their...

2/3,KWIC/3 (Item 1 from file: 570)

DIALOG(R)File 570:Gale Group MARS(R)

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01445411 Supplier Number: 44814895

Scanning wand makes checkout lines disappear

Marketing News, v28, n14, p6

July 4, 1994

ISSN: 0025-3790

Language: English Record Type: Abstract

Document Type: Magazine/Journal; Trade

ABSTRACT:

...one day be cause for the elimination of long checkout lines at grocery stores. The 'Portable Personal Shopper System', developed in conjunction with Europe's biggest grocery chain Albert Heijn and TNO Product...

...embarrassment and basic human integrity to make their product work. A description of how the Portable Personal Shopper System works as well as the way a grocery store would audit people using it...

COMPANY NAMES: *Heijn (Albert); Symbol Technologies Inc.; TNO Product Centre

Refine Search

Search Results -

Terms	Documents
L4	2

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L5

Refine Search

Recall Text

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Search History

 DATE: Friday, May 13, 2005 [Printable Copy](#) [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
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	L2 L1	0	L2
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	L1 (person\$ near3 shop\$) same remote\$ same pos same portabl\$	0	L1

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L5: Entry 2 of 2

File: USPT

Apr 9, 2002

US-PAT-NO: 6367694

DOCUMENT-IDENTIFIER: US 6367694 B1

TITLE: Device and method for secure data updates in a self-checkout system

DATE-ISSUED: April 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Roslak; Thomas	Eastport	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Symbol Technologies, Inc.	Holtsville	NY			02

APPL-NO: 09/ 436170 [\[PALM\]](#)

DATE FILED: November 9, 1999

PARENT-CASE:

RELATED APPLICATIONS This application is a continuation of U.S. patent application Ser. No. 09/153,832, filed Sep. 15, 1998, now U.S. Pat. No. 5,979,753, which is a continuation of U.S. patent application Ser. No. 08/706,579, filed Sep. 5, 1996, now U.S. Pat. No. 5,825,002.

INT-CL: [07] [G06 K 5/00](#)

US-CL-ISSUED: 235/380; 235/383

US-CL-CURRENT: [235/380](#)✓ [235/383](#)✓

FIELD-OF-SEARCH: 455/419, 455/403, 455/325, 455/375, 235/380, 235/462.01, 235/472.01, 235/472.02, 235/472.03, 235/375, 235/383, 705/35-45

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

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Clear

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 4071740	January 1978	Gogulski	235/431
<input type="checkbox"/> 4627193	December 1986	Schwarz	49/42
<input type="checkbox"/> 4634845	January 1987	Hale et al.	235/350

<input type="checkbox"/>	<u>4723212</u>	February 1988	Mindrum et al.	364/401
<input type="checkbox"/>	<u>4833308</u>	May 1989	Humble	235/383
<input type="checkbox"/>	<u>4910672</u>	March 1990	Off et al.	364/405
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<input type="checkbox"/>	<u>4940116</u>	July 1990	O'Connor et al.	186/61
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<input type="checkbox"/>	<u>4973952</u>	November 1990	Malec et al.	340/825
<input type="checkbox"/>	<u>5072380</u>	December 1991	Randelman et al.	364/406
<input type="checkbox"/>	<u>5173851</u>	December 1992	Off et al.	364/401
<input type="checkbox"/>	<u>5237620</u>	August 1993	Deaton et al.	382/7
<input type="checkbox"/>	<u>5250789</u>	October 1993	Johnson	235/383
<input type="checkbox"/>	<u>5287266</u>	February 1994	Malec et al.	364/401
<input type="checkbox"/>	<u>5295064</u>	March 1994	Malec et al.	364/401
<input type="checkbox"/>	<u>5334821</u>	August 1994	Campo et al.	235/380
<input type="checkbox"/>	<u>5345071</u>	September 1994	Dumont	235/383
<input type="checkbox"/>	<u>5354974</u>	October 1994	Eisenberg	235/379
<input type="checkbox"/>	<u>5361871</u>	November 1994	Gupta et al.	186/61
<input type="checkbox"/>	<u>5380991</u>	January 1995	Valencia et al.	235/383
<input type="checkbox"/>	<u>5393965</u>	February 1995	Bravman et al.	235/383
<input type="checkbox"/>	<u>5397882</u>	March 1995	Van Solt	235/381
<input type="checkbox"/>	<u>5412193</u>	May 1995	Swartz et al.	235/383
<input type="checkbox"/>	<u>5418354</u>	May 1995	Halling et al.	235/383
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<input type="checkbox"/>	<u>5434394</u>	July 1995	Roach et al.	235/375
<input type="checkbox"/>	<u>5457307</u>	October 1995	Dumont	235/383
<input type="checkbox"/>	<u>5468942</u>	November 1995	Oosterveen et al.	235/383
<input type="checkbox"/>	<u>5468948</u>	November 1995	Koenck et al.	235/472
<input type="checkbox"/>	<u>5489773</u>	February 1996	Kumar	235/462
<input type="checkbox"/>	<u>5535407</u>	July 1996	Yanagawa et al.	395/800
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<input type="checkbox"/>	<u>5621812</u>	April 1997	Deaton et al.	382/100
<input type="checkbox"/>	<u>5637847</u>	June 1997	Watanabe	235/383
<input type="checkbox"/>	<u>5689650</u>	November 1997	McClland et al.	395/236
<input type="checkbox"/>	<u>5778348</u>	July 1998	Manduley et al.	235/375
<input type="checkbox"/>	<u>5804807</u>	September 1998	Murrah et al.	235/383
<input type="checkbox"/>	<u>5825002</u>	October 1998	Murrah et al.	235/383
	<u>6144848</u>	November 2000	Walsh et al.	235/380



FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
W/O 90/08440	July 1990	EP	
W/O 92/14210	August 1992	EP	
W/O 92/20030	November 1992	EP	
W/O 94/09440	April 1994	EP	
55153068	May 1979	JP	
2001125965	October 1999	JP	
9002296	October 1990	NL	

OTHER PUBLICATIONS

Symbol Product Brochure "LST3803-Portable Personal Shopper" 4 pages.

ART-UNIT: 2876

PRIMARY-EXAMINER: Le; Thien M.

ABSTRACT:

The present invention relates to a data processing and retrieval system for use in a self-checkout system utilized in a retail facility. A plurality of customers are provided with a portable data collecting terminal having a bar code reader. Once the data is collected using the portable terminal, a record of the session is uploaded to a customer's data file upon the entry of an authorization code. In the event errors occur during data entry or in the entry of the authorization codes, a customer service desk is provided which assists the customer in completing the transaction.

6 Claims, 4 Drawing figures

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L5: Entry 1 of 2

File: USPT

May 14, 2002

US-PAT-NO: 6386450

DOCUMENT-IDENTIFIER: US 6386450 B1

**** See image for Certificate of Correction ****

TITLE: Electronic shopping system including customer relocation recognition

DATE-ISSUED: May 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ogasawara, Nobuo	San Diego	CA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Fujitsu Limited	Kanagawa			JP	03

APPL-NO: 09/ 629992 [PALM]

DATE FILED: August 1, 2000

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATION This application is a continuation of Ser. No. 09/070,373 filed Apr. 30, 1998, U.S. Pat. No. 6,123,259.

INT-CL: [07] G06 K 15/00

US-CL-ISSUED: 235/383; 235/380, 235/472.01

US-CL-CURRENT: 235/383; 235/380, 235/472.01

FIELD-OF-SEARCH: 235/383, 235/380, 235/381, 235/472.01, 705/14

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

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<input type="checkbox"/>	<u>3251543</u>	May 1966	Bush et al.	235/380
<input type="checkbox"/>	<u>4750151</u>	June 1988	Baus	364/900
<input type="checkbox"/>	<u>4835372</u>	May 1989	Gombrich et al.	235/375
<input type="checkbox"/>	<u>4929819</u>	May 1990	Collins, Jr.	235/383
<input type="checkbox"/>	<u>5250789</u>	October 1993	Johnsen	235/383

<input type="checkbox"/>	<u>5294781</u>	March 1994	Takahashi et al.	235/376
<input type="checkbox"/>	<u>5424524</u>	June 1995	Ruppert et al.	235/462
<input type="checkbox"/>	<u>5572653</u>	November 1996	DeTemple et al.	395/501
<input type="checkbox"/>	<u>5637847</u>	June 1997	Watanabe	235/383
<input type="checkbox"/>	<u>5691684</u>	November 1997	Murrah	235/385
<input type="checkbox"/>	<u>5729697</u>	March 1998	Schkolnick et al.	235/383
<input type="checkbox"/>	<u>5821512</u>	October 1998	O'Hagan et al.	235/383
<input type="checkbox"/>	<u>5887271</u>	March 1999	Powell	
<input type="checkbox"/>	<u>5918211</u>	June 1999	Sloane	705/16
<input type="checkbox"/>	<u>6026370</u>	February 2000	Jermyn	705/14
<input type="checkbox"/>	<u>6026377</u>	February 2000	Burke	
<input type="checkbox"/>	<u>6123259</u>	September 2000	Ogasawara	235/380

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
2307575	May 1997	GB	
WO 97/29452	August 1997	WO	

ART-UNIT: 2876

PRIMARY-EXAMINER: Pitts; Harold I.

ATTY-AGENT-FIRM: Christie, Parker & Hale, LLP

ABSTRACT:

An electronic personal shopping system, communicating between a store computer and a mobile terminal, for organizing a consumer's movement through a retail facility in accordance with the consumer's current location and the locations of desired items on either a shopping list or a recommended replenishment item list. The shopping list and recommended replenishment item list are hosted on a customer IC card and read by a mobile shopping terminal. A price look-up table is maintained in a store database and includes location indicia identified to each merchandise item of the store's inventory. As a product is scanned, that item's location indicia is assumed to represent a customer's current location. A desired destination item is taken from the shopping list or the recommended replenishment item list and a distance and direction metric is calculated based on the customer's current location. The system includes a processor capable of developing a recommended replenishment item list from a series of shopping history data records also hosted on the IC card. Each shopping trip results in preparation of a most recent shopping history data record.

20 Claims, 10 Drawing figures

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